

**PART I****Statement of Work**

The contractor will procure/manufacture/assemble and provide the following material to support the OE-207/BR Antenna Mechanical Modification Kits for 726 Class Antenna Systems.

**Technical Documents:**

- a. 4491144 Rev. J
- b. 4491145 Rev. F
- c. 4491143 Rev. L
- d. 4491147 Rev. H
- e. 4491149 Rev. R
- f. 4491153 Rev. Y
- g. 4398597 Rev. P

**Requirements:**

The contractor will procure/ manufacture, assemble all piece parts listed as "Deliverables", package and mark as required and provide as kits. Also "Additional Deliverables", packaged and marked as noted.

Items shall be packaged in plastic bags/ bubble wrap with appropriate identification and change number marked on each package. Some items shall be bagged together as noted. Identification should include, description drawing number, item number and change number.

Government Furnished Material (GFM) will be provided as follows for incorporation into each kit:

- (a) CD's and Parts List; package (1) in each kit.

Field Change Kits will require a label on each box identifying the following information: Description, Item Number and Quantity. Each kit shall be identified with a tracking number starting with 001-726 to 030-726 on the outside of each kit. And marked:

SSBN Class Submarines  
OE-207/BR Antenna System  
Mechanical Mast Mods Kit  
ECP No. 23003

Each Mast Mod Kit will be packaged separately in accordance with MIL-STD-2073-1A, Level B, and MIL-P-116H, method III.

## **PART II**

### **Delivery:**

Delivery shall be within 60 days after contract award. Shipped to the following address:

NAVSEA  
NSWCCD-SSES  
4700 S. BROAD STREET  
BLDG. 29 CODE 96213  
PHILADELPHIA PA 10112  
ATTN: KRISTINA PALMUCCI  
PHONE: 215-897-8718

## Statement of Work Continued

### Deliverables:

Thirty (30) each, Mast Mod Kits, marked (001-726 to 030-726) consisting of the following:

#### PIECE PARTS FOR 7268 CLASS MAST MECHANICAL MODS

<u>ITEM</u>	<u>QUANTITY</u>	<u>MARK</u>	<u>REFERENCE</u>	<u>NOTE</u>
1) Sheave Bushing	128	CH# 1	DWG # 4491144 Pc – 32	(8) per kit
2) Flat Head Socket Screws	64	CH# 1	DWG # 4491145 Pc – 29	(4) per kit
3) Flat Head Socket Screws	448	CH # 2	DWG # 4491143 Pc – 65	(4) per kit
4) Bearing	48	CH # 3	DWG # 4491147 Pc – 22	(3) per kit
5) Socket Head Screws	96	CH # 3	DWG # 4491147 Pc – 23	(6) per kit
6) Connecting Link	16	CH # 4	DWG # 4491153 Pc – 120	(1) per kit
7) Hex Head Bolt	32	CH # 4	DWG # 4491153 Pc – 121	(2) per kit
8) Flat Head Socket Screws	48	CH # 5	DWG # 4491153 Pc – 122	(3) per kit
9) Elastic Stop Nut	48	CH # 5	DWG # 4491153 Pc – 13	(3) per kit
10) Flat Head Socket Screws	192	CH # 7	DWG # 4491149 – Pc 68	(12) per kit
11) Socket Head Cap Screws	80	CH # 8	DWG # 4398597 Pc – 75	(5) per kit

NOTES: a) Item 1 Sheave Bushings Material to be Duralon as manufactured by REXNORD  
(Part number 5x3-0120-012)

b) Items: 1 & 2 package together  
4 & 5 package together  
6 & 7 package together  
8 & 9 package together

c) Item 10 should be 1/2-13 UNC-3Ax1L

d) Item 3 is .63" long instead of .5" long.

e) Item 11 is 1" long instead of 1-1/4" long.

## PART III

## QUALITY ASSURANCE REQUIREMENTS

### 1. Contractor's Quality/Inspection System:

- a. The contractor shall provide and maintain a written inspection system, which will assure that all supplies and services submitted to the Government for acceptance conform to contract requirements whether manufactured or processed by the contractor, or procured from subcontractors or vendors. The contractor shall perform or have performed the inspections and tests required to substantiate product conformance to drawing, specifications and contract requirements and shall also perform or have performed all inspections and tests otherwise required by the contract. The contractor's inspection system shall be documented and shall be available for review by the Naval Surface Warfare Center Carderock Division – Philadelphia Site, Naval Business Center, Bldg. 29, Phila., PA 19112-5083, Attn. Code 9613, via the DCMC, fifteen (15) days after award of contract and throughout the life of the contract. The contractor shall notify the Naval Surface Warfare Center Carderock Division – Philadelphia Site in writing of any change to the inspection system. The inspection system shall be subject to disapproval if changes thereto would result in nonconforming product. Vendors currently operating under ANSI/ISO/ASQ Q9001-2000 or MIL-I-45208 quality system will be deemed acceptable under this provision.
- b. The Quality/Inspection System shall include the following:
  - 1) Document Control
  - 2) Purchasing
  - 3) Product Identification and Traceability
  - 4) Process Control
  - 5) Inspection and Testing
  - 6) Inspection Measuring and Test Equipment Calibration in accordance with the requirements of ANSI/NCSL Z540-1 or ISO 10012-1.
  - 7) Inspection and Test Status
  - 8) Control of Nonconforming Product
  - 9) Corrective Action
  - 10) Handling, Storage, Packaging, and Delivery
  - 11) Records
  - 12) Controls to assure sub-contractors comply with contract quality system requirements.

### 2. Records:

- a. For each assembly, component, delivered item, the supplier shall furnish one (1) copy of the following documents correlated to the contract number and serial number assigned to the assembly:
  - 1) For Contractor-Furnished Raw Material:
    - a) For contractor-supplied material, the contractor shall supply documented verification of raw material by alloy families using simple, direct and rapid analysis methods or a combination of methods (e.g., visual, hardness test, magnetic properties test, acid spot tests, and metal comparator tests).
  - 2) The inspection records shall show the results of every dimension inspected and shall include the inspector's signature and date. The inspection records are to be maintained on Objective Quality Evidence Data Sheets (OQEDS) supplied by the contractor. Recording the results of dimensional inspections on a configuration facsimile of the component as shown on the applicable drawing is an acceptable OQED.
  - a) ACTUAL measurements are required for the following characteristic:

- (1) Dimensions with a tolerance of +/- .005 or less"
  - (2) Straightness of .010" per foot or less
  - (3) Geometric characteristics (forms, profile, orientation, location, run out, etc.) with a tolerance of .010" or less
  - (4) Finishes 32 or less.
  - (5) Angles +/- 1/2 degree or less
  - (6) Torque Records
- b) Class 2 Threads shall be inspected in accordance with ASME B1.3, System 21 requirements and Class 3 threads or higher shall be inspected in accordance with ASME B1.3, System 22 requirements.
  - c) Sampling inspection is permitted under this contract. A sampling plan identifying the parts and the sample size must be submitted to NSWCCD-Phila code 9613 for approval prior to completion of inspection.
  - d) Complete inspection report showing the results of visually inspecting O-rings used in the assembly. This report shall have attached the individual O-ring packages that the O-rings were supplied in and shall show the cure date of each O-ring.
  - e) All of the supplied documents shall have complete traceability to the hardware for inspection purposes. Therefore, whenever applicable, records shall show: contract number, name of contractor, plan number, revision letter, piece number, serial letter/number of finished piece and item nomenclature
  - f) Records for each assembly, component, delivered item shall identify the inspection, measuring, test equipment, calibration dates and calibration due dates for inspection, measuring, and test equipment used during verifications, inspections, and/or tests.

## PART IV

## INSPECTION AND TEST

1. The contractor is required to perform all inspections to ensure the quality of the finished item and for providing inspection and test equipment necessary to ensure that the results of inspections and tests are accurate.
2. Representatives of an assigned Contract Administration Office (CAO) shall make inspection of the supplies and services to be furnished hereunder, at the contractor's or subcontractor's plant (source).
3. Due to the critical nature of this material, a representative of NSWCCD, Code 9613, is available to furnish technical assistance on all quality control matters. The contractor shall agree to notify the Naval Surface Warfare Center Carderock Division – Philadelphia Site, Naval Business Center, Bldg. 29, Phila., PA 19112-5083, Attn. Code 9613, when material is ready for inspection so NSWCCD has the option of conducting a quality assurance surveillance on the material at the contractor's plant prior to shipment. A minimum of seven (7) days is required to arrange such a visit.
4. This contract shall not be considered complete unless all documents and items required to be delivered under this contract are received and determined to be acceptable by NSWCCD.
5. Unless otherwise specified, the supplier is responsible for the performance of all inspection requirements as specified herein. The Government reserves the right to perform any of the inspections set forth in the above requirements where such inspections are deemed necessary to ensure that supplies and services conform to requirements.
6. Requests for engineering changes, waivers, or deviations shall be submitted using Forms DD 1692 and 1694 and MIL-STD-973 as a guide. A "Request for Waiver" shall be used for government acceptance of all Type I and Type II nonconformance.
7. Final acceptance will be performed by NSWCCD, Philadelphia. Final acceptance by NSWCCD does not relieve the supplier of performing final inspection and test and delivery of the material in accordance with description requirements.

**(2 Data Items)**

Public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions searching existing data sources gathering and maintaining the data needed and completing the reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information including suggestions for reducing this burden, to Department of Defense, Washington DC, Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302 and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing contracting Officer for the Contract/PR No. Listed in Block E.

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE